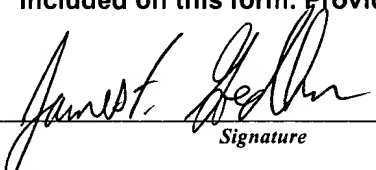
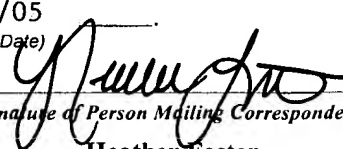


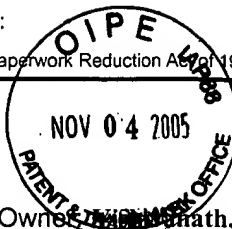
1Fw 2681

| TRANSMITTAL LETTER (General - Patent Pending) | | | | Docket No. 115426-966 | |
|--|----------------------------------|-----------------------------|-----------------------|--------------------------|--------------------------|
| In Re Application Of: Vishwanath, T.G., et al. | | | | | |
| Application No. 09/447,684 | Filing Date November 23, 1999 | Examiner Sheila B. SMith | Customer No. 29157 | Group Art Unit 2681 | Confirmation No. 4123 |
| Title: METHOD AND SYSTEM FOR PROVIDING A SEMI-DATA AIDED FREQUENCY ESTIMATOR FOR OQPSK | | | | | |
| <p style="text-align: center;"><u>COMMISSIONER FOR PATENTS:</u></p> <p>Transmitted herewith is:</p> <p>Statement Under 37 CFR (1 pg.); Power of Attorney To Prosecute Applications Before The USPTO (1 pg.); return receipt postcard.</p> <p>in the above identified application.</p> <p><input checked="" type="checkbox"/> No additional fee is required.</p> <p><input type="checkbox"/> A check in the amount of _____ is attached.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. 02-1818 as described below.</p> <p><input type="checkbox"/> Charge the amount of _____</p> <p><input checked="" type="checkbox"/> Credit any overpayment.</p> <p><input checked="" type="checkbox"/> Charge any additional fee required.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <div style="display: flex; justify-content: space-between;"><div> _____ Signature James F. Goedken Reg. No. 44,715</div><div>Dated: November 2, 2005</div></div> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"><p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on 11/02/05</p><p>(Date)</p><p> _____ Signature of Person Mailing Correspondence Heather Foster</p><p>Typed or Printed Name of Person Mailing Correspondence</p></div> <div style="margin-top: 20px;">CC:</div> | | | | | |

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PTO/SB/96 (09-04)
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: James F. Goedken, T.G., et al.

Application No./Patent No.: 09/447,684

Filed/Issue Date: November 23, 1999

Entitled: **AQUISITION MECHANISM FOR A MOBILE SATELLITE SYSTEM**

Hughes Network Systems, LLC

, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010823, Frame 0417, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document (s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

James F. Goedken
Printed or Typed Name

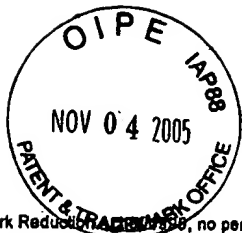
Attorney of Record
Title

November 2, 2005
Date

312/807-4250
Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE D FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

29158

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
| | | | |
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| | | | |

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

29158

OR

| | | | |
|--|-------|-----|--|
| <input type="checkbox"/> Firm or Individual Name | | | |
| Address | | | |
| City | State | Zip | |
| Country | | | |
| Telephone | Email | | |

Assignee Name and Address:

Hughes Network Systems, LLC
11717 Exploration Lane
Germantown, MD 20876

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

| | | | |
|-----------|------------------------------------|-----------|--------------|
| Signature | | Date | 8/16/2005 |
| Name | Dean Manson | Telephone | 301-601-7315 |
| Title | Vice President and General Counsel | | |

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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